

CLAIMS

What is claimed is:

1. A single I/O interface comprising:
 2. a host port; and
 3. a peripheral port, wherein the host port and the peripheral port are defined using predetermined signals.
1. 2. The interface of claim 1 wherein the host and peripheral ports are USB ports.
1. 2. 3. The interface of claim 1 wherein two connected devices can have a peer-to-peer connection via the host port and peripheral port.
1. 2. 4. The interface of claim 1 wherein two connected devices can have a one-to-many relationship via the host port and peripheral port.
1. 2. 5. The interface of claim 1 wherein a device only needs one physical I/O port via the connector.
1. 2. 6. The interface of claim 1 wherein the predetermined signals comprise host differential data lines and peripheral differential data lines.

1 7. A USB network comprising:
2 a first device; the first device including a single I/O interface, the interface
3 including a host port; and a peripheral port wherein the host port and the peripheral port
4 are defined using predetermined signals; and
5 a second device for communicating with the first device, the second
6 device using the predetermined signals.

1 8. The USB network of claim 7 wherein the predetermined signals are
2 within a standard.

1 9. The USB network of claim 8 wherein the standard comprises the
2 universal serial bus (USB) standard.

1 10. The USB network of claim 9 wherein the first and second devices can be
2 any of a camera, computer, personal digital assistant, laptop device, handheld device,
3 printer, and cellular telephone.

1 11. The USB network of claim 7 wherein the predetermined signals comprise
2 host differential data lines and peripheral differential data lines.

1 12. A device comprising:
2 a processor; and
3 a single I/O interface coupled to the processor, the connector comprising a

4 host port; and a peripheral port, wherein the host port and the peripheral port are
5 defined using predetermined signals.

1 13. The device of claim 12 wherein the single I/O interface requires a
2 connection to only one physical I/O port if the device is coupled to a device with a
3 connector that includes a host port and a peripheral port which are defined using the
4 predetermined signals.

1 14. The device of claim 12 wherein the predetermined signals comprise host
2 differential data lines and peripheral differential data lines.